INSTEON™ RemoteLinc

INSTEON-compatible
Wireless Handheld Controller

For models:
#2440 RemoteLinc Handheld Controller

INSTEON COMPATIBLE

smartlabs design

INSTEON

INSTEON-compatible RemoteLinc User's Guide

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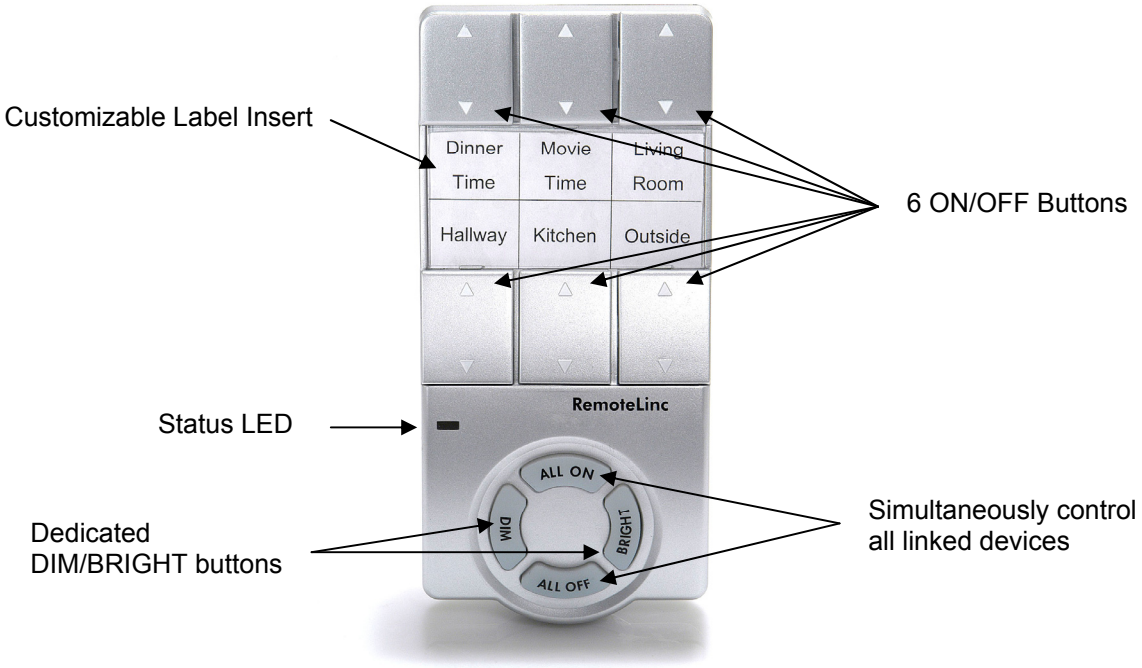
ABOUT REMOTELINC

Congratulations on purchasing the INSTEON™ RemoteLinc™ Handheld Controller. RemoteLinc allows you to use the power of INSTEON to control your home with the convenience of a handheld wireless controller.



What is INSTEON?

INSTEON is a simple, reliable, and affordable breakthrough in home control. Simple, because Plug-n-Tap™ setup is a breeze, and there are no wires to add – INSTEON uses existing powerline wiring as well as radio-frequency for communication. And reliable, because every INSTEON device is a two-way repeater. An INSTEON home grows in value with every INSTEON device you add, making life more convenient, safe and fun.

Key RemoteLinc Features

- Six individual on/off buttons, plus dedicated DIM, BRIGHT, ALL ON and ALL OFF buttons.
- Setup is easy – install four AAA batteries (included), link RemoteLinc buttons to devices with simple button taps, and you're up and running.
- Shows command transmission activity with status LED
- Stores setup state in memory, even with batteries removed.
- Smart circuitry detects abnormally long button presses (like those ocurring when remote falls between couch cushions) and puts RemoteLinc into sleep mode, preserving battery life.
- Warranted for two years

HOW TO INSTALL REMOTELINC

Proper installation of at least two INSTEON™ AccessPoints (#2443) is required prior to installing and using RemoteLinc.

RemoteLinc Installation

- Remove battery compartment door from rear of RemoteLinc. Observe polarity markings, and install four AAA batteies accordingly. Replace battery compartment door.
- Use alkaline batteries, or high quality rechargeable batteries. A fully charged set of alkaline batteries will provide approximately 1500-2000 functional button presses under normal circumstances.

HOW TO SET UP REMOTELINC

Linking RemoteLinc to an INSTEON Device

To control an INSTEON Device using RemoteLinc, follow these steps to link RemoteLinc and the INSTEON Device together. Refer to your INSTEON Device's User's Guide for detailed instructions on how to properly install it and link it to RemoteLinc. The following will work for the most common INSTEON Devices.

1. Choose the ON/OFF Button on RemoteLinc that you want to use for controlling your INSTEON Device. There are 6 ON/OFF Button Pairs, labeled *Channel 1* through *Channel 6*. You can link multiple INSTEON Devices to a single ON/OFF Button.
2. Set RemoteLinc to Linking Mode by pressing and holding the **ON** side of the button for 10 seconds until the Status LED begins blinking.

3. Select your INSTEON Device from the list below and follow the linking method for that Device. You have about 4 minutes to perform this step before RemoteLinc's Linking Mode times out automatically.

A. **LampLinc™ V2 Dimmer** – Press and hold the **SET Button** on the side of LampLinc V2 Dimmer for 3 seconds, then release. To confirm linking, LampLinc V2 Dimmer will blink its Status LED and also the light that it is controlling.

B. **ApplianceLinc™ V2** – Press and hold the **SET Button** on the side of ApplianceLinc V2 for 3 seconds, then release. To confirm linking, ApplianceLinc V2 will blink its Status LED.

C. **SwitchLinc™ V2 Dimmer** – Press and hold SwitchLinc V2 Dimmer's **Paddle Top** for 10 seconds, then release. To confirm linking, SwitchLinc V2 Dimmer will blink the top LED in its LED Bar and also the light that it is wired to.

D. **KeypadLinc™ V2** – Press and hold the **ON Button** at the top of KeypadLinc V2 for 10 seconds, then release. To confirm linking, KeypadLinc V2 will blink the light that it is controlling.

E. **Other INSTEON Devices** – See the INSTEON Device's User's Guide.

4. When your INSTEON Device is successfully linked, RemoteLinc will beep, and its Status LED will stop blinking.
5. Test that your INSTEON Device is working as expected by pressing the ON and OFF Buttons that you linked to.

Unlinking One INSTEON Device from RemoteLinc

If you are no longer going to use an INSTEON Device that has previously been linked to RemoteLinc, it is very important that you unlink it, otherwise the INSTEON network will retry any commands intended for the unused INSTEON Device, thus slowing down your system.

1. Using the ON/OFF Button that you already linked your INSTEON Device to, set RemoteLinc to Unlinking Mode by pressing and holding the **ON** side of the button for 10 seconds until the Status LED begins blinking, then release the button.
2. Immediately press the same **ON** button again for 10 seconds.
3. Follow the same method given above that you used to link your INSTEON Device to unlink it. On most INSTEON Devices, you just push a **SET Button** for 3 seconds.
4. When your INSTEON device is successfully unlinked, RemoteLinc will beep, and its Status LED will stop blinking

Creating an INSTEON Scene

INSTEON Scenes let you activate dramatic lighting moods with the press of just one button. INSTEON Scenes are very easy to set up – just link more than one INSTEON Device to an ON/OFF Button on RemoteLinc. Then, when you press either the ON or the OFF Button on RemoteLinc, all of the INSTEON Devices linked in the scene will respond as a group. You can link multiple INSTEON Devices to multiple of INSTEON Controllers.

To add an additional INSTEON Device to a scene controlled by an ON/OFF Button on RemoteLinc, simply follow the same procedure as above in *Linking RemoteLinc to an INSTEON Device*. To remove an INSTEON Device from a scene, see *Unlinking One INSTEON Device from RemoteLinc*.

TIP

You can avoid having to hold RemoteLinc's ON Button down for 10 seconds for each INSTEON Device in a scene by placing RemoteLinc in **Scene Setup Mode**, also called **Multilink Mode**.

1. Set the RemoteLinc to Scene Setup Mode for the ON/OFF Button Pair you want to use for controlling the scene by pressing and holding the desired **ON Button** for 10 seconds, *then tapping the same* **ON Button** *again*. RemoteLinc's Status LED will blink.
2. Follow the linking method given above for the INSTEON Device you want to include in the scene. On most INSTEON Devices, you just push a SET Button for 3 seconds. RemoteLinc will beep to confirm linking, and its Status LED will continue to blink slowly.
3. On some INSTEON Devices, you may be able to set up additional features, such as On-Levels or Fade Rates at this time.
4. Continue Steps 2 and 3 for any additional INSTEON Devices you want to link to the scene.
5. When you are finished linking INSTEON Devices to the desired ON/OFF Button, complete Scene Setup by pressing the **ON Button**. RemoteLinc's Status LED will stop blinking and remain steadily on. You have about 4 minutes of inactivity before RemoteLinc's Scene Setup Mode times out automatically.

ADVANCED FEATURES OF REMOTELINC

Resetting One ON/OFF Button to Its Factory Default Settings

If you want to remove all INSTEON links from a single ON/OFF Button Pair, or if you cannot unlink a previously-linked INSTEON Device that has been lost or broken, follow this procedure.

1. Remove a single battery from RemoteLinc for at least 10 seconds.
2. While holding down the **OFF** side of the ON/OFF Button that you want to reset, reinsert the battery into RemoteLinc (ensure battery is properly oriented). RemoteLinc will beep and its Status LED will illuminate steadily. Wait 3 seconds after reinserting the battery, and then release the OFF button.
3. The ON/OFF Button will now have no INSTEON Devices linked to it.

NOTE

INSTEON Devices that have been previously linked to RemoteLinc will still respond to the ALL ON and ALL OFF Buttons, and dimmable INSTEON Devices will still respond to holding down the ON or OFF Buttons of the ON/OFF Button Pair that they were originally linked to, as well as the BRIGHT and DIM Buttons. The reason is that the INSTEON Devices themselves have not been unlinked from RemoteLinc. Follow the procedure *Unlinking One INSTEON Device from RemoteLinc*, above, to unlink individual INSTEON Devices.

Resetting RemoteLinc to Its Factory Default Settings

The factory reset procedure can be used to clear the RemoteLinc's memory and restore its factory default settings. This procedure will clear the unit of all INSTEON Links.

1. Remove a single battery from RemoteLinc for at least 10 seconds.
2. While holding down the **BRIGHT Button**, reinsert the battery into RemoteLinc (ensure battery is properly oriented). RemoteLinc will beep and its Status LED will blink as you reinsert the battery, then its Status LED will illuminate brightly.

3. After reinserting the battery, continue to hold down the BRIGHT Button for 10 seconds. RemoteLinc will beep continuously for a few seconds, then will quickly beep twice.
4. Release the BRIGHT Button. The Status LED will turn off. RemoteLinc will now have no INSTEON Devices linked to it.

NOTE

INSTEON Devices that have been previously linked to RemoteLinc will still respond to the ALL ON and ALL OFF Buttons, and dimmable INSTEON Devices will still respond to holding down the ON or OFF Buttons of the ON/OFF Button Pair that they were originally linked to, as well as the BRIGHT and DIM Buttons. The reason is that the INSTEON Devices themselves have not been unlinked from RemoteLinc. Follow the procedure *Unlinking One INSTEON Device from RemoteLinc*, above, to unlink individual INSTEON Devices.

Turning the Audio Beeper On and Off

This procedure toggles the sound OFF or ON. The factory default is ON.

1. Simultaneously press and hold the **DIM and BRIGHT Buttons** for 10 seconds. RemoteLinc will beep once and its Status LED will begin blinking slowly.
2. Release the DIM and BRIGHT Buttons.
3. Press and release the **BRIGHT Button**. RemoteLinc will beep twice and its Status LED will illuminate steadily. The audio beep is now disabled.
4. Repeat steps 1 through 3 to re-enable the audio beep function.

Turning the Status LED On and Off

This procedure toggles the white Status LED OFF or ON. The factory default is ON.

1. Simultaneously press and hold the **DIM and BRIGHT Buttons** for 10 seconds. RemoteLinc will beep once and its Status LED will begin blinking slowly.
2. Release the DIM and BRIGHT Buttons.
3. Press and release the **ALL OFF Button**. RemoteLinc will beep twice and its Status LED will now be disabled.
4. Repeat steps 1 through 3 to re-enable the Status LED.

Stuck Button Feature

If any button on RemoteLinc is depressed for longer than 60 seconds, the controller will enter sleep mode until the button is released. This feature is provided to preserve battery life in situations like RemoteLinc falling between sofa cushions.

SETUP SUMMARY

The following table summarizes the setup options for RemoteLinc as described in the previous sections.

Linking		
Enter Linking Mode	Desired ON Button	Hold 10 Seconds
Enter Unlinking Mode	Desired On Button	Hold 10 Seconds Release Immediately press same On button for another 10 seconds, then release.
Enter Multi-Link Mode	Desired ON Button	Hold 10 Seconds
	Same ON Button	Tap
Exit Linking Mode	Any ON or OFF Button	Tap
Reset		
ON/OFF Button	OFF Button	Remove one battery, press and hold button, reinsert battery, continue to press button for 10 seconds, then release.
RemoteLinc	BRIGHT	Remove one battery, press and hold button, reinsert battery, continue to press button for 10 seconds, then release.
Toggle On/Off		
Beeper	BRIGHT + DIM	Hold 10 Seconds
	BRIGHT	Tap
Status LED	BRIGHT + DIM	Hold 10 Seconds
	ALL OFF	Tap

HOW TO USE REMOTELINC

Using RemoteLinc's Buttons

The following table gives an overview, and the sections thereafter give the details, on how to use RemoteLinc's buttons.

Button	Applies To	Tap	Press and Hold
ON	Devices Linked to Button	Ramp to On-Level	Brighten
OFF	Devices Linked to Button	Ramp to OFF	Dim
ALL ON	All Linked Devices	Instant on up to On-Level	Brighten Until Released
ALL OFF	All Linked Devices	Instant OFF	Dim Until Released
BRIGHT	Last Button Pushed	Brighten a Little	Brighten Until Released
DIM	Last Button Pushed	Dim a Little	Dim Until Released

Using the ON and OFF Buttons

The ON and OFF Buttons have a dual purpose. If you tap them briefly, they turn INSTEON Devices linked to them on or off. If you hold them down, the ON Button will brighten and the OFF Button will dim any dimming modules linked to them. Holding down will not affect any non-dimmable (switchable) modules. So, if you just want to turn things on or off, *tap* the appropriate button – don't hold it down.

- To turn ON only those INSTEON Devices linked to an ON/OFF Button, ***tap* the ON** side of the Button. RemoteLinc will beep and its Status LED will blink off twice. Dimmable modules will go to whatever On-Level they were set up for, at whatever Fade Rate they were set up for. Switchable modules will immediately go full on.
- To turn OFF only those INSTEON Devices linked to an ON/OFF Button, ***tap* the OFF** side of the Button. RemoteLinc will beep and its Status LED will blink off twice. Dimmable modules will go full off at whatever Fade Rate they were set up for. Switchable modules will immediately go full off.
- To brighten only those dimmable INSTEON Devices linked to an ON/OFF Button, ***press and hold* the ON** side of the Button. RemoteLinc will beep and its Status LED will blink off once. Dimmable modules will begin to brighten, unless they are already fully bright. Switchable modules will not be affected. When you release the button, dimmable modules will stop going brighter and RemoteLinc's Status LED will blink off again.
- To dim only those dimmable INSTEON Devices linked to an ON/OFF Button, ***press and hold* the OFF** side of the Button. RemoteLinc will beep and its Status LED will blink off once. Dimmable modules will begin to dim, unless they are already fully off. Switchable modules will not be affected. When you release the button, dimmable modules will stop dimming and RemoteLinc's Status LED will blink off again.

Using the ALL ON and ALL OFF Buttons

The ALL ON and ALL OFF Buttons will turn on, turn off, brighten or dim ***all* INSTEON Devices** linked to RemoteLinc, no matter which ON/OFF Button Pair they are linked to.

BE CAREFUL

Choose carefully what you will be controlling with RemoteLinc, because all linked INSTEON Devices will respond to the ALL ON and ALL OFF Buttons. Some INSTEON Devices can be set up so that they will not respond to the ALL ON and ALL OFF Buttons (refer to the specific INSTEON module's documentation for instructions).

- To turn ON ***all* INSTEON Devices** linked to RemoteLinc, **tap the ALL ON Button**. RemoteLinc will beep and its Status LED will blink off once. Dimmable modules will go to whatever On-Level they were set up for. Switchable modules will immediately go full on.
- To turn OFF ***all* INSTEON Devices** linked to RemoteLinc, **tap the ALL OFF Button**. RemoteLinc will beep and its Status LED will blink off once. All linked modules will instantly go off.
- To brighten all dimmable INSTEON Devices linked to any of RemoteLinc's buttons, ***press and hold* the ALL ON** button. RemoteLinc will beep and its Status LED will blink off once. Dimmable modules will begin to brighten, unless they are already fully bright. Switchable modules will not be affected. When you release the button, dimmable modules will stop brightening and RemoteLinc's Status LED will blink off again.
- To dim all dimmable INSTEON Devices linked to any of RemoteLinc's buttons, ***press and hold* the ALL OFF** button. RemoteLinc will beep and its Status LED will blink off once. Dimmable modules will begin to dim, unless they are already fully off. Switchable modules will not be affected. When you release the button, dimmable modules will stop dimming and RemoteLinc's Status LED will blink off again.

Using the BRIGHT and DIM Buttons

The BRIGHT and DIM Buttons will brighten or dim only those INSTEON Devices linked to the last ON/OFF Button you used. Switchable modules will not be affected. Pressing and holding the BRIGHT and DIM Buttons will adjust the brightness continuously, while tapping the buttons will adjust the brightness one of 32 steps for each tap.

- To continuously brighten only those INSTEON Devices linked to the last ON/OFF Button you used, ***press and hold* the BRIGHT Button**. RemoteLinc will beep and its Status LED will blink off once. Dimmable modules will begin to brighten, unless they are already fully bright. Switchable modules will not be affected. When you release the button, dimmable modules will stop going brighter and RemoteLinc's Status LED will blink off again.
- To continuously dim only those INSTEON Devices linked to the last ON/OFF Button you used, ***press and hold* the DIM Button**. RemoteLinc will beep and its Status LED will blink off once. Dimmable modules will begin to dim, unless they are already fully off. Switchable modules will not be affected. When you release the button, dimmable modules will stop dimming and RemoteLinc's Status LED will blink off again.
- To brighten by incremental steps only those INSTEON Devices linked to the last ON/OFF Button Pair you used, ***tap* the BRIGHT Button**. RemoteLinc will beep and its Status LED will blink off once. Dimmable modules will brighten 3 of 32 steps for each tap of the button, unless they are already fully bright. Switchable modules will not be affected.
- To dim by incremental steps only those INSTEON Devices linked to the last ON/OFF Button you used, ***tap* the DIM Button**. RemoteLinc will beep and its Status LED will blink off once. Dimmable modules will dim 3 of 32 steps for each tap of the button, unless they are already fully off. Switchable modules will not be affected.

ABOUT INSTEON

Understanding Why an INSTEON Network Is Reliable

INSTEON messages travel throughout the home via Powerline Carrier (PLC) signals on the existing house wiring, and also via wireless Radio Frequency (RF). As the messages make their way to INSTEON devices being controlled, they are picked up and retransmitted by all other INSTEON devices along the way. This method of communicating, called a *mesh network*, is very reliable because each additional INSTEON device helps to support the overall network.

To further ensure reliability, every INSTEON device confirms that it has received a command. If an INSTEON Controller does not receive this confirmation, it will automatically retransmit the command up to five times.

Further Enhancing Reliability

As signals travel via the powerline or RF throughout the home, they naturally become weaker the farther they travel. The best way to overcome signals getting weaker is to increase the coverage of the mesh network by introducing more INSTEON devices.

It is possible that some audio-video products, computers, power strips or other electrical equipment may attenuate INSTEON signals on the powerline. You can temporarily unplug suspected devices to test whether the INSTEON signal improves. If it does, then you can plug in filters available from Smarthome that will permanently fix the problem.

Using SmartLab's AccessPoint to Upgrade Your INSTEON Network

AccessPoints are ideal for improving signal strength and network coverage throughout your home. In addition, two AccessPoints provide a wireless path for INSTEON signals to travel between the two separate electrical circuits, called *powerline phases*, found in most homes. Without a reliable method for coupling opposite powerline phases, some parts of your home may receive INSTEON signals intermittently. With at least one AccessPoint plugged into one of the powerline phases, and at least one more plugged into the opposite powerline phase, INSTEON powerline signals will be strong everywhere in your home.

TROUBLESHOOTING

Problem	Possible Cause	Solution
The Status LED on my RemoteLinc is not turning on at all.	Batteries are missing or depleted.	Install 4 fresh AAA bateries into RemoteLinc
	User previously disabled Status LED	See section *Turning the Status LED On and Off* for instructions on re-enabling Status LED.
My RemoteLinc will not go into Linking or Unlinking Mode.	You didn't hold the ON Button down long enough.	Hold the ON Button down for at least 10 seconds. To enter Unlinking Mode, repeat the same process (a total of two sequential presses of the ON button for 10 seconds each press). If the above doesn't work, perform a Factory Reset. (See Resetting RemoteLinc to Its Factory Default Settings)
The Status LED is still flashing after linking an INSTEON device.	You may be in Scene Setup (multilink) mode.	Tap the ON Button you are linking to in order to end Scene Setup mode.
My RemoteLinc is not controlling linked INSTEON devices.	The device may be on the phase other than the node communicating with RemoteLinc.	Make sure two AccessPoints are properly installed to bridge the two powerline phases.
	RemoteLinc may be out of wireless range	Try using RemoteLinc from another location, and install additional AccessPoints in trouble locations
An INSTEON device is not linking or responding to RemoteLinc.	The INSTEON signal may be too weak.	Add new INSTEON devices or move around existing INSTEON devices. All INSTEON devices act as INSTEON Network repeaters.
		Make sure you are not experiencing interference with older X10 BoosterLinc technology. Upgrade to INSTEON BoosterLincs.
RemoteLinc is locked up.	Fluctuating battery current may have glitched it.	Remove batteries from RemoteLinc for 10 seconds and reinstall.
		Install a fresh set of batteries
		If the above doesn't work, perform a Factory Reset. (*See Resetting RemoteLinc to Its Factory Default Settings*)
My RemoteLinc's Status LED keeps blinking whenever I press a button, and it takes a long time for my INSTEON Devices to respond.	RemoteLinc may be waiting for a response from a lost or broken INSTEON Device.	If the INSTEON Device is available, unlink it from RemoteLinc by following the directions in the section *Unlinking One INSTEON Device from RemoteLinc*.
		If the INSTEON Device is not available or you are unsure which INSTEON Device RemoteLinc is looking for, unlink all INSTEON Devices from the ON/OFF Button by following the directions in the section *Resetting One ON/OFF Button to Its Factory Default Settings*.
		Reset RemoteLinc by following the directions in the section *Resetting RemoteLinc to Its Factory Default Settings*.
My INSTEON Devices don't always respond to my RemoteLinc.	The RemoteLinc may have been reset without first unlinking INSTEON Devices from it.	Re-link your INSTEON Devices to RemoteLinc.
The beeper on my RemoteLinc doesn't work.	The beeper may have been turned off.	Follow the directions in the section *Turning the Audio Beeper On and Off*.

Problem	Possible Cause	Solution
All of my INSTEON Devices do not respond to RemoteLinc's ALL ON or ALL OFF Buttons.	The ALL ON and ALL OFF Buttons only control INSTEON devices already linked to RemoteLinc.	Link INSTEON Devices you want to respond to ALL ON and ALL OFF to RemoteLinc.
All of my INSTEON Devices do not respond to RemoteLinc's BRIGHT or DIM Buttons.	The BRIGHT and DIM Buttons only control INSTEON devices linked to the last ON/OFF Button you pushed on RemoteLinc.	Push the ON or OFF Button for the scene you want to control, then use the BRIGHT and DIM Buttons.

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SPECIFICATIONS

RemoteLinc Specifications

General	
Smarthome Product Number	2440, INSTEON RemoteLinc Handheld Controller
Warranty	2 years
Operation	
ON/OFF Button Pairs	6 Channels
ALL ON/ALL OFF Buttons	Control all INSTEON devices linked to Channels 1-6
BRIGHT/DIM Buttons	Control INSTEON devices linked to last pressed Channel
Audio Alert	Beeper, can be disabled
Status LED	White, can be disabled
Setup Memory	Non-volatile EEPROM
INSTEON Features	
INSTEON Addresses	1 hard-coded out of 16,777,216 possible
INSTEON Links	417 out of 16,777,216 possible
INSTEON Messages Repeated	No
Mechanical	
Button Labels	Printable using template
Operating Conditions	Indoors, 32 to 122°F, up to 85% relative humidity
Dimensions	5.-3/8" H x 2-1/2" W x 1-1/8" D
Weight	0.35 lbs with batteries installed, 0.25 lbs without batteries
Electrical	
Supply	4 AAA Alkaline Batteries (included). Also compatible with rechargeable batteries.
Battery Life	Approximately 1500 – 2000 button presses
Certification	FCC ID SBP2440

FCC Compliance Statement

This device complies with FCC Rules Part 15. Operation is subject to two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received or that may cause undesired operation. The digital circuitry of this device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses and can radiate radiofrequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio and television reception. However, there is no guarantee that interference will not occur in a particular installation.

WARNING! Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Limited Warranty

Seller warrants to the original consumer purchaser of this product that, for a period of two years from the date of purchase, this product will be free from defects in material and workmanship and will perform in substantial conformity to the description of the product in this User's Guide. This warranty shall not apply to defects or errors caused by misuse or neglect. If the product is found to be defective in material or workmanship, or if the product does not perform as warranted above during the warranty period, Seller will either repair it, replace it or refund the purchase price, at its option, upon receipt of the product at the address below, postage prepaid, with proof of the date of purchase and an explanation of the defect or error. The repair, replacement, or refund that is provided for above shall be the full extent of Seller's liability with respect to this product. For repair or replacement during the warranty period, call SmartLabs customer service to receive an RA# (return authorization number), properly package the product (with the RA# clearly printed on the outside of the package) and send the product, along with all other required materials, to:

SmartLabs, Inc.
ATTN: Receiving Dept.
16542 Millikan Ave.
Irvine, CA 92606-5027

Limitations

The above warranty is in lieu of and seller disclaims all other warranties, whether oral or written, express or implied, including and warranty or merchantability or fitness for a particular purpose. Any implied warranty, including any warranty of merchantability or fitness for a particular purpose, which may not be disclaimed or supplanted as provided above shall be limited to the one-year period of the express warranty above. No other representation or claim of any nature by any person shall be binding upon seller or modify the terms of the above warranty and disclaimer. In no event shall seller be liable for special, incidental, consequential, or other damages resulting from the possession or use of this product, including without limitation damage to property and, to the extent permitted by law, personal injury, even if seller knew or should have known of the possibility of such damages. Some states do not allow limitations on how long an implied warranty lasts and/or the exclusion or limitation of damages, in which case the above limitations and/or exclusions may not apply to you. You may also have other legal rights that may vary from state to state.

Rev 06-17-2009